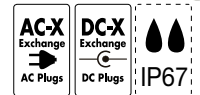


3020 - 2-pin IEC 320

3021 - exchangeable AC plugs

- Universal input voltage
- Compact and light weight
- High efficiency >87%
- Low standby power <0,5W
- Complies w. medical std EN 60601 (not certified)
- Mounting bracket available
- Mains cord not included
- Exchangeable DC plugs
- Waterproof (IP67) version available
- Universal inngangsspenning
- Kompakt enhet, lett vekt
- Høy virkningsgrad >87%
- Lav tomgangseffekt <0,5W
- Tilfredsst. medisinsk std EN 60601 (ikke sertifisert)
- Kan leveres med festebrakett
- Nettledning ikke inkludert
- Utskiftbare DC plugger
- Vanntett (IP67) versjon kan leveres



3021

### Technical specifications\*

### Tekniske data\*

Input voltage:	Inngangsspenning:	90-264 VAC, 50/60 Hz
Line frequency:	Frekvensområde:	47-63 Hz
Max. output power:	Maks. utgangseffekt:	60 W
Load regulation:	Lastregulering:	< 0,5%
Mains regulation:	Linjeregulering:	< 0,5%
Ripple:	Rippel:	<100 mV p-p
Efficiency, approx.:	Virkningsgrad, ca.:	>87% (avg. of 25,50,75 and 100% load)
Standby power:	Strømforbruk på tomgang:	≤ 0,5 W
Switch frequency approx.:	Svitsjefrekvens ca.:	65 kHz
Overshoot (90-10% load variation):	Oversving (90-10% lastvariasjon):	< 350 mV
Undershoot (10-90% load variation):	Undersving (10-90% lastvariasjon):	< 400 mV
Hold up time:	Hold up time:	> 20 ms
Temperature range	Temperaturområde	
• Operating:	• Drift:	-20°C - +40°C
• With derating:	• Med derating:	+60°C
• Storage:	• Lagring:	-25°C - +85°C
Derating:	Derating:	1W/°C over 40°C
Insulation class:	Isolasjonsklasse:	II
Insulation voltage	Isolasjonsspenning	
• Primary - secondary:	• Primær - sekundær:	4000 VAC / 5700 VDC
Electrical safety standards:	Elektrisk sikkerhetsstandarder:	EN 60601-1, EN 60950
EMC standards	EMC standarder	
• Medical:	• Medisinsk:	EN 60601-1-2
• Emission:	• Emisjon:	EN 61000-6-3
• Immunity:	• Immunitet:	EN 61000-6-1
Output terminals:	Utgangsterminaler:	Cable with/without plug Sekundærledning med/uten plugg
Dimensions (LxWxH):	Ytre mål (LxBxH):	107 x 67 x 36,5 mm 3021: 117 x 75 x 44 mm
Weight:	Vekt:	280 g (480 g IP67 vers.)

\* Some technical specifications may differ for other models and voltage versions. / Visse tekniske data kan variere for de forskjellige modeller og spenningsversjoner.

### Voltage versions - Spenningsversjoner

Output (V) Utgang (V)	Max. current (A) Maks. strøm (A)	Max. output power (W) Maks. utgangseffekt (W)
6	8	48
7,5	7	52,5
9	6	54
12	5	60
16	3,75	60
24	2,5	60



## Exchangeable AC plug models

### Modeller med utskiftbare AC plugger

SMALL HOUSING		
Base model / Grunnmodell		w exch. AC plug
Type	Description / Beskrivelse	Type
2220	AC/DC PSU, max 16W	2221
2924	AC/DC PSU, max 16W	2926
3326	AC/DC PSU, max 28W	3326
2115	NiMH battery charger, max 1,3A	2116
2240	Lead Acid batt. charger, max 1,3A	2241
2240 LI	Li.Ion batt. charger, max 1,3A	2241 LI
2240 LiFePO <sub>4</sub>	LiFePO <sub>4</sub> batt. charger, max 1,3A	2241 LiFePO <sub>4</sub>
Additional housing weight (excl. plug/cord) + 15 g Tilleggsvekt (uten plugg/ledning) + 15 g		

MEDIUM HOUSING		
Base model / Grunnmodell		w exch. AC plug
Type	Description / Beskrivelse	Type
9921	AC/DC PSU, max 40W	9926
2720	AC/DC PSU, max 40W	2721
3020	AC/DC PSU, max 60W	3021
2541	Lead Acid batt. charger, max 2,2A	2542
9940	Lead Acid batt. charger, max 2,3A	9941
2215	LiMH battery charger, max 35W	2216
9940 LI	Li.Ion batt. charger, max 2,3A	9941 LI
2541 LI	Li.Ion batt. charger, max 2,7A	2542 LI
2541 LiFePO <sub>4</sub>	LiFePO <sub>4</sub> batt. charger, max 1,3A	2542 LiFePO <sub>4</sub>
Additional housing weight (excl. plug/cord) + 27 g Tilleggsvekt (uten plugg/ledning) + 27 g		



**2-pin IEC 320 C7 mains cord**  
 1800 mm EU part no. 131306  
 UK part no. 131148, US part no. 131147, AU part no. 013108

